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CORRECTED NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

10/13/2004

GUOBIAO ZHANG P O BOX 8182 STATELINE, NV 89449-6182 EXAMINER

NGO, NGAN V

ART UNIT PAPER NUMBER

2814

DATE MAILED: 10/13/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/615.667	07/08/2003	Guobiao Zhang	GB8F	9832

TITLE OF INVENTION: PERIPHERAL CIRCUITS OF ELECTRICALLY PROGRAMMABLE THREE-DIMENSIONAL MEMORY

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$685	\$300	\$985	01/13/2005

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATEN PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHT THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPO PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM TH MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THE STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOV REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (O AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WIL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is n claiming SMALL ENTITY status, check box 5a on Part B - Fee Transmittal and pay the PUBLICATION FEE (if required) and 1 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) w your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

(703) 746-4000 or Fax

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed wh appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address.

maintenance fee notification	ns.	in Block 1, by (a)) specifying a	a new correspondence addres	s; and/or (b) indicating a sepa	arate "FEE ADDRESS"	
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address			Note: A certificate of mailing can only be used for domestic mailings of Fee(s) Transmittal. This certificate cannot be used for any other accompany				
			papers. Each additional paper, such as an assignment or formal drawing, m				
	590 10/13/2004			have its own certifica	te of mailing or transmission.		
GUOBIAO ZHA	NG			Constitution	ertificate of Mailing or Trans	smission	
P O BOX 8182 STATELINE, NV 89449-6182			I hereby certify that this Fee(s) Transmittal is being deposited with the Un States Postal Service with sufficient postage for first class mail in an envel addressed to the Mail Stop ISSUE FEE address above, or being facsim				
STATELINE, IV	07447-0102			addressed to the Ma transmitted to the US	all Stop ISSUE FEE address PTO (703) 746-4000, on the c	above, or being facsim	
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APPLICATION NO.	FILING DATE		FIRST NAME	LINVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
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TITLE OF INVENTION. F	ERIFHERAL CIRCUITS OF	CELECTRICALL)	PROGRAM	IMABLE THREE-DIMENSI	ONAL MEMORY		
APPLN. TYPE	SMALL ENTITY	ISSUE FE	BE .	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	YES	\$685		\$300	\$985	01/13/2005	
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NGO, N	IGAN V	2814		257-211000	_		
1. Change of correspondence CFR 1.363).	e address or indication of "F	ee Address" (37	-	ting on the patent front page,			
	lence address (or Change of	Correspondence	(1) the nat	nes of up to 3 registered pate OR, alternatively,	ent attorneys		
	lence address (or Change of 22) attached.		_	ne of a single firm (having as	a member a 2		
"Fee Address" indicat	ion (or "Fee Address" Indica or more recent) attached. Use	ation form	registered	attorney or agent) and the na d patent attorneys or agents. I	mes of up to		
Number is required.	or more recently attached. Ost	or a Customer	listed, no r	name will be printed.	I no name is 3		
3. ASSIGNEE NAME AND							
PLEASE NOTE: Unless recordation as set forth in	an assignee is identified be 37 CFR 3.11. Completion	elow, no assignee of this form is NOT	data will appe	ear on the patent. If an assig	mee is identified below, the d	locument has been filed	
(A) NAME OF ASSIGNI					NI INITTO VA		
(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)							
Please check the appropriate	assignee category or catego	ries (will not be pri	nted on the n	etent) :	Corporation or other private gro		
4a. The following fee(s) are			Payment of		Lorporation of other private gro	oup entity Governm	
☐ Issue Fee			_ `	n the amount of the fee(s) is e	nclosed		
	mall entity discount permitte		Payment by credit card. Form PTO-2038 is attached.				
	Copies		The Director is hereby authorized by charge the required fee(s) or credit any overnament				
			Deposit Acco	ount Number	(enclose an extra c	opy of this form).	
5. Change in Entity Status (from status indicated above) a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).							
			on Fee (if an	y) or to re apply any previous	the paid issue for to the applica	FR 1.27(g)(2).	
NOTE: The Issue Fee and Puinterest as shown by the reco	ublication Fee (if required) vords of the United States Pate	vill not be accepted ent and Trademark (from anyone Office.	other than the applicant; a reg	sly paid issue fee to the applica gistered attorney or agent; or th	ne assignee or other part	
Authorized Signature Date							
Typed or printed name							
This collection of informatio	n is required by 37 CFR 1.3	11. The information	is required t	o obtain or retain a benefit by	the public which is to file (and minutes to complete, includin comments on the amount of tir il Trademark Office, U.S. Deps S. SEND TO: Commissioner	t by the USPTO to proc	
submitting the completed ap	plication form to the USPT	O. Time will vary o	depending up	on the individual case. Any o	comments on the amount of tir	ne you require to comp	
Box 1450, Alexandria, Virgi Alexandria, Virginia 22313-1	nia 22313-1450. DO NOT	SEND FEES OR C	OMPLETED	FORMS TO THIS ADDRES	S. SEND TO: Commissioner	for Patents, P.O. Box 14	
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/615,667	07/08/2003	Guobiao Zhang	GB8F	9832
75	90 10/13/2004		EXAM	INER
GUOBIAO ZHA P O BOX 8182	NG		NGO, N	GAN V
STATELINE, NV	89449-6182		ART UNIT	PAPER NUMBER
			2814	
			DATE MAILED: 10/13/200/	1

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after t mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a h months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date th determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retriev (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.



United States Patent and Trademark Office

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APPLICATION NO.	FILING DATE	. FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/615,667	07/08/2003	Guobiao Zhang	GB8F	9832
75	10/13/2004		EXAMI	NER
GUOBIAO ZHA	NG		NGO, NG	GAN V
P O BOX 8182 STATELINE, NV	89449-6182		ART UNIT	PAPER NUMBER
			2814	

DATE MAILED: 10/13/2004

Notice of Fee Increase on October 1, 2004

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2004, then t amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" because some fees w increase effective October 1, 2004. See Revision of Patent Fees for Fiscal Year 2005; Final Rule, 69 Fed. Reg. 5260 52606 (May 10, 2004).

The current fee schedule is accessible from WEB site (http://www.uspto.gov/main/howtofees.htm).

If the fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due" but not the correct amount in vie of the fee increase, a "Notice of Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processi delays associated with mailing of a "Notice of Pay Balance of Issue Fee," if the response to the Notice of Allowan is to be filed on or after October 1, 2004 (or mailed with a certificate of mailing on or after October 1, 2004), t issue fee paid should be the fee that is required at the time the fee is paid. See Manual of Patent Examining Procedu (MPEP), Section 1306 (Eighth Edition, Rev. 2, May 2004). If the issue fee was previously paid, and the response the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue f now due, then the difference between the issue fee amount at the time the response is filed and the previously-pa issue fee should be paid. See MPEP Section 1308.01.

Effective October 1, 2004, 37 CFR 1.18 is amended by revising paragraphs (a) through (c) to read as set forth below

Section 1.18 Patent post allowance (including issue) fees.

(a) Issue fee for issuing each original or reissue patent, except a design or plant patent:

By a small entity (Sec. 1.27(a))	\$685.00
By other than a small entity	\$1,370.00
(b) Issue fee for issuing a design patent:	•

By a small entity (Sec. 1.27(a))......\$245.00 By other than a small entity......\$490.00

(c) Issue fee for issuing a plant patent:

By a small entity (Sec. 1.27(a))......\$330.00 By other than a small entity......\$660.00

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of t Office of Patent Publication at (703) 305-8283.

	Application No.	Applicant(s)	
Notice of Allowability	10/615,667	ZHANG, GUOBIAO	
Notice of Allowability	Examiner	Art Unit	
	Ngan Ngo	2814	
The MAILING DATE of this communication appeared the communication appeared the communication appeared to the communication	(OR REMAINS) CLOSED in this ap or other appropriate communication GHTS. This application is subject to	plication. If not include will be mailed in due	ed course, THIS
1. \boxtimes This communication is responsive to <u>the election filed 8-10</u>	<u>)-04</u> .		
2. The allowed claim(s) is/are 1-13.			
3. \boxtimes The drawings filed on <u>08 July 2003</u> are accepted by the Ex	aminer.		. i
4. Acknowledgment is made of a claim for foreign priority unall All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE *MAILING DATE* noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be subminFORMAL PATENT APPLICATION (PTO-152) which give	e been received. e been received in Application No cuments have been received in this of this communication to file a reply MENT of this application.	national stage application complying with the recomplying with the recom	quirements
6. CORRECTED DRAWINGS (as "replacement sheets") must	st be submitted.		
(a) ☐ including changes required by the Notice of Draftspers		-948) attached	
1) hereto or 2) to Paper No./Mail Date		Office action of	
(b) including changes required by the attached Examiner Paper No./Mail Date	S Amendment / Comment of in the C	Since action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t	.84(c)) should be written on the drawi he header according to 37 CFR 1.121	ngs in the front (not the	back) of
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATERIAL	must be submitted.	Note the
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/I Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. Notice of Informal F 6. Interview Summary Paper No./Mail Da 7. Examiner's Amend 8. Examiner's Statem 9. Other	/ (PTO-413), ate ment/Comment	owance
		Primary Exan	

Application/Control Number: 10/615,667 Page 3

Art Unit: 2814

Reasons for Allowance

The following is an examiner's statement of reasons for allowance:

The prior arts of record do not disclose the electrically programmable three dimensional memory comprising a peripheral circuit having a plurality of data sense amplifiers; a three dimensional memory level having memory cell, data bit lines and data word lines; and a plurality of inter level connecting vias connecting data bit lines and data sense amplifiers.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Ngan Van Ngo Primary Examiner Art Unit: 2814

Examiner's Amendment

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

In the daims:

Cancel non-elected claims 14-20.

Any inquiry concerning this communication should be directed to Examiner Ngan Ngo at telephone number (571) 272-1711. The fax number for the Art unit is (703) 308-7722.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

Ngan Van Ngo Primary Examiner

Ngan Ngo

9/1/04

Bldg./Room_

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